

INDEX TO VOLUME 62, 1997

AUTHOR INDEX

- Abo El-Sooud, K., 175
 Afifi, N. A., 249
 Aguilera-Tejero, E., 143
 Amedeo, S., 121
 Andrews, S. J., 223
 Arai, T., 85
 Arboix, M., 117
 Asagoe, T., 261
 Atkins, G. J., 245

 Banks, L. L., 131
 Bari, A. S. M., 83
 Batt, R. M., 191
 Bautista-Ortega, 127
 Bayliss, M. T., 39
 Bayly, W. M., 205
 Bedali-Ahcène, S., 99
 Bell, S. C., 83
 Bennett, D., 83
 Bertolotto, A., 121
 Billinis, C., 239
 Birch, H. L., 93
 Bizub, V., 191
 Braun, J. P., 185
 Brocchi, E., 239
 Brockmeier, S. L., 281
 Broekaert, D., 165

 Cadoré, J. L., 99, 287
 Caffrey, J. F., 245
 Campo, M. S., 289
 Carra, E. M., 239
 Carrasco, L., 199
 Carretero, A., 117
 Carter, S. D., 83
 Castagnaro, M., 121
 Chacón, F., 199
 Chandrachud, L. M., 289
 Chermette, R., 22
 Chévrier, G., 22
 Colditz, I. G., 63
 Cristófol, C., 117
 Critchley, M., 26
 Cruciére, C., 229
 Cunningham, F. M., 253

 De Lara, M., 199
 De Simone, F., 239
 Dercksen, D., 271
 Desmecht, D., 1
 Dobson, H., 265
 Donnelly, W. J. C., 245
 Ducatelle, R., 165
 Dudgeon, A. M., 245
 Dunnett, M., 213
 Durotoye, L. A., 87

 El-Bahy, M. M., 175
 Embling, P. P., 111
 Epe, C., 17

 Fettman, M. J., 131
 Finch, J. M., 74
 Firth, E. C., 217
 Flaherty, D., 179
 Fontaine, M., 99
 Forhead, Alison J., 265
 Foster, A. P., 253
 Franquelo, C., 117
 Fuse, M., 297

 Gao, Jingbao, 275
 Gómez-Villamandos, J. C., 199
 Goodship, A. E., 93
 Grant, R. G., 74
 Greenland, T., 287
 Grime, J. S., 26
 Grindlay, G. J., 289
 Guarda, F., 121
 Guého, E., 22
 Guillot, J., 22
 Gunji, M., 85

 Haddock, F. M., 51
 Hamar, D. W., 131
 Harris, P., 11
 Harris, R. C., 11, 58, 213
 Hegstad, R. L., 131
 Higuchi, H., 137
 Hirose, O., 261
 Hodge, H., 217
 Holmes, R., 191
 Huang, Kehe, 275
 Hughes, D. E., 83
 Hurwitz, M. Y., 293
 Hurwitz, R. L., 293
 Hyun, H. S., 105, 153, 171

 Inaba, Y., 261
 Ishikawa, Y., 297
 Isopenko, A., 81
 Ito, M., 105, 171
 Ito, T., 297
 Iwamoto, T., 195

 Jacobs, L., 271
 Johnson, C. B., 159
 Johnson, D. E., 131
 Johnston, S., 131
 Jones, R. S., 26
 Jusa, E. R., 261

 Kamita, H., 105, 171
 Kangasniemi, A., 34
 Kato, S., 153
 Katoh, N., 137
 Kelly, D. F., 83
 Kimman, T., 271
 Kitani, H., 233
 Kitano, Y., 195
 Knowles, G., 289
 Knowles, N. J., 239

 Koenen, F., 239
 Kommonen, B., 293
 Komori, S., 85
 Kono, M., 261
 Kruszevska, D., 299
 Kylma, T., 293

 Laegreid, W. W., 229
 Lager, K. M., 281
 Laukkanen, H., 34
 Lees, P., 51, 253
 Lekeux, P., 1
 Leng, L., 191
 Lerche, P., 179
 Lin, C., 275
 Linden, A., 1
 Lobley, R. W., 191
 Lowe, J. A., 58

 MacEachern, K. E., 147
 McKellar, Q., 30
 McLeay, L. M., 111
 McOrist, S., 6
 Maltby, P., 26
 Manzardo, E., 121
 Marr, K. A., 253
 Martel, P., 185
 Martín de las Mulas, J., 199
 Maxwell, M. H., 127
 Mengeling, W. L., 281
 Mikami, O., 233, 297
 Mills, P. G., 11
 Mineo, H., 105, 153, 171
 Miura, K., 233
 Monier, J. C., 99
 Monteiro, A. M., 179
 Mornex, J. F., 287
 Moseley, D., 127
 Motoi, Y., 297
 Moulay, S., 229
 Mulder, W., 271
 Munn, E. A., 223
 Muto, H., 105, 171

 Nakagawa, H., 137
 Nakajima, Y., 233, 297
 Nakano, K., 297
 Navarro, M., 117
 Nicholson, T., 26
 Nolan, A. M., 30, 147, 179

 Ogino, T., 85
 Ohzono, H., 195
 Oikawa, S., 137
 Ojala, M., 34
 Onaga, T., 105, 153
 Onaga, T., 171
 O'Neil, B. W., 289
 Orme, C. E., 58

- Page, C. P., 253
Papadopoulos, O., 239
Paschaleri-Papadopoulou, E., 239
Pascoe, J. R., 143
Paulin, L., 293
Pechereau, D., 185
Pemberton, P. W., 191
Persson-Waller, K., 63
Platt, D., 39

Ramadan, A., 48, 175, 249
Raymakers, R., 271
Reid, J., 179
Riccio, A., 121
Robertson, G. W., 127
Rodway, R. G., 87
Roels, S., 165
Rollin, F., 1
Rolph, T. P., 223
Ruberte, J., 117
Ruohoniemi, M., 34
Rutter, G. A., 93

Sailleau, C., 229
Samson-Himmelstjerna, G. V., 17
Schneider, T., 17

Seow, H.-F., 63
Sheahan, B. J., 245
Shen, X., 275
Shimizu, T., 195
Sierra, M. A., 199
Sime, A., 30
Slocombe, R. F., 205
Smith, B. L., 111, 143
Smith, G. L., 147
Smith, G. M., 81
Smith, N. C., 11
Smith, S. H., 6
Soliman, M. Z., 213
Sorensen, S. H., 191
Speare, D. J., 79
Stanton, C. A., 131
Steiner-Laurent, S., 287
Stockdale, H. R., 26
Suwar, A. A. S., 213

Taylor, M. A., 223
Taylor, P. M., 159
Thomas, L. H., 51
Thorp, B. H., 67
Tulamo, R. M., 34
Tylwska-Wierbanowska, S., 299

Uwatoko, K., 261

Vanderhallen, H., 239
Villeda, C. J., 199

Waddington, D., 67
Wang, X., 275
Warnes, K., 58
Washizu, M., 85
Washizu, T., 85
Watanabe, A., 137
Webley, G. E., 87
Wells, T., 39
Welsh, E., 179
Wilkinson, P. J., 199
Williams, R. B., 301
Woliner, M. J., 143

Yamamoto, O., 137
Yamanaka, N., 233
Yanaihara, N., 105, 171
Yasuda, N., 195
Yasukawa, K., 297
Yoshioka, M., 297

Zhang, G., 275
Zientara, S., 229

SUBJECT INDEX

- Abomasal emptying in sheep, Radionuclide imaging of, 26
- Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to *Staphylococcus aureus* and *Escherichia coli*, 63
- African horse sickness virus in the blood of experimentally infected horses: comparison of virus isolation and a PCR assay, Detection of, 229
- African swine fever, The pathogenic role of pulmonary intravascular macrophages in acute, 193
- African swine fever, Ultrastructural changes related to the lymph node haemorrhages in acute, 199
- Aino virus in the chick embryo, Teratogenicity of, 195
- Airflow mechanics in models of equine obstructive airway disease under conditions simulating exercise, 205
- Alfentanil on the equine electroencephalogram during anaesthesia with halothane in oxygen, Effects of, 159
- Allopurinol on the formation of reactive oxygen species during intense exercise in the horse, Effect of, 11
- Anaemia, Anti- α chain monoclonal antibodies of equine MCH class-II antigens: applications to equine infectious, 99
- Analysis and significance of anti-nuclear antibodies in dogs, 83
- Anserine and taurine contents in individual fibres from the middle gluteal muscle of the camel, Carnosine, 213
- Anti- α chain monoclonal antibodies of equine MCH class-II antigens: applications to equine infectious anaemia, 99
- Anticoccidial efficacy of toltrazuril and halofuginone against *Eimeria tenella* infection in broiler chickens in Egypt, 175
- Anti-nuclear antibodies in dogs, Analysis and significance of, 83
- Apramycin in broiler chickens, Kinetic disposition, systemic bioavailability and tissue distribution of, 249
- Arginine-vasopressin and lysine-vasopressin on insulin and glucagon secretion in sheep, Effects of oxytocin, 105
- Aujeszky's disease virus by polymerase chain reaction in sheep vaccinated with a modified live vaccine strain, Detection of wild-type, 271
- Bone pathologies, ash and mineral content of long bones in 35-day-old broiler chickens, Relationships between the, 67
- Border Disease virus, Morphometric analysis of growth retardation in fetal lambs following experimental infection of pregnant ewes with, 245
- Bovine inflammation, Development and characterisation of a model of, 51
- Camel, Carnosine, anserine and taurine contents in individual fibres from the middle gluteal muscle of the, 213
- Carnosine, anserine and taurine contents in individual fibres from the middle gluteal muscle of the camel, 213
- Changes in glucose transport activities in mammary adenocarcinoma of dogs, 85
- Characterisation of embryonic cardiac-derived troponin T in broiler chicks bled one to 168 hours after hatching, 127
- Chemical composition and microstructure of uroliths and urinary sediment crystals associated with the feeding of high-level cottonseed meal diet to water buffalo calves, 275
- Chest wall compliance in cattle, Effects of growth and breed on direct static measurements of, 1
- Cholecystokinin on plasma insulin and glucagon concentrations in sheep, Effects of C-terminal fragments of, 171
- Chondrocytes cultured in alginate beads, Proteoglycan metabolism of equine articular, 39
- Chronic obstructive pulmonary disease, Effect of antigen challenge on the activation of peripheral blood neutrophils from horses with, 253
- Cloning of the cDNA encoding rod photoreceptor cGMP-phosphodiesterase α and γ subunits from the retinal degenerate Labrador Retriever dog, 293
- Comparative pharmacokinetics of netobimin metabolites in pregnant ewes, 117
- Comparison of the pathogenic, antigenic and molecular characteristics of two encephalomyocarditis virus (EMCV) isolates from Belgium and Greece, 239
- Concentration of creatine in meat, offal and commercial dog food, The, 58
- Coxiella burnetii* from bull semen, Isolation of, 299
- Creatine in meat, offal and commercial dog food, The concentration of, 58
- Detection of African horse sickness virus in the blood of experimentally infected horses: comparison of virus isolation and a PCR assay, 229
- Detection of serum haptoglobin by enzyme-linked immunosorbent assay in cows with fatty liver, 137
- Detection of wild-type Aujeszky's disease virus by polymerase chain reaction in sheep vaccinated with a modified live vaccine strain, 271
- Development and characterisation of a model of bovine inflammation, 51
- Development of persistent intestinal infection and excretion of *Lawsonia intracellularis* by piglets, 6
- Differences in a ribosomal DNA sequence of lungworm species (*Nematoda: Dictyocaulidae*) from fallow deer, cattle, sheep and donkeys, 17
- Differences in patterns of meningoencephalitis due to bacterial kidney disease in farmed Atlantic and chinook salmon, 79
- Doxapram-induced hyperventilation on respiratory mechanics in horses, The effect of, 143
- Duration of protective immunity against ovine haemonchosis following vaccination with the nematode gut membrane antigen H11, 223
- Effect of allopurinol on the formation of reactive oxygen species during intense exercise in the horse, 11
- Effect of antigen challenge on the activation of peripheral blood neutrophils from horses with chronic obstructive pulmonary disease, 253
- Effect of doses of protected polyunsaturated fatty acids on indicators of selenium status of sheep, 81
- Effect of doxapram-induced hyperventilation on respiratory mechanics in horses, The, 143
- Effect of heparin on a haemagglutinin of porcine reproductive and respiratory syndrome virus, 261
- Effect of the long-term administration of vasopressin on the development of the kidneys of growing lambs, The, 189
- Effect of the mycotoxins penitrem, paxilline and lolitrem B on the electromyographic activity of skeletal and gastrointestinal smooth muscle of sheep, 111
- Effects of alfentanil on the equine electroencephalogram during anaesthesia with halothane in oxygen, 159
- Effects of C-terminal fragments of cholecystokinin on plasma insulin and glucagon concentrations in sheep, 171
- Effects of growth and breed on direct static measurements of chest wall compliance in cattle, 1
- Effects of neutering on bodyweight, metabolic rate and glucose tolerance of domestic cats, 131
- Effects of oxytocin, arginine-vasopressin and lysine-vasopressin on insulin and glucagon secretion in sheep, 105
- Effects of sex and age on the ossification of the collateral cartilages of the distal phalanx of the Finnhorse and the relationship between ossification and type of horse, 34

- Eimeria tenella* infection in broiler chickens in Egypt, Anticoccidial efficacy of toltrazil and halofuginone against, 175
- Elevated levels of tumor necrosis factor α (TNF- α) interleukin-6 (IL-6) activities in the sera and milk of cows with naturally occurring coliform mastitis, 297
- Encephalomyocarditis virus (EMCV) isolates from Belgium and Greece, Comparison of the pathogenic, antigenic and molecular characteristics of two, 239
- Endocarditis in pigs, Morphological and biochemical investigations of mitral valve, 121
- Endothelial cells, Methods for the isolation, culture and characterisation of equine pulmonary artery, 147
- Epidemiological analysis of *Malassezia pachydermatis* isolates by partial sequencing of the large subunit ribosomal RNA, 22
- Epithelial cells in culture, Method for the growth of equine airway, 30
- Erythropoietin concentrations in dogs and cats: reference values and changes with anaemia and/or chronic renal failure, Plasma, 185
- Escherichia coli*, Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to *Staphylococcus aureus* and, 63
- Fasted donkeys, Plasma glucose and cortisol responses to exogenous insulin in, 265
- Fatty liver, Detection of serum haptoglobin by enzyme-linked immunosorbent assay in cows with, 137
- Feline immunodeficiency virus (FIV) infected cats, Interstitial lung disease in, 287
- Glucose transport activities in mammary adenocarcinoma of dogs, Changes in, 85
- Gluten-sensitive enteropathy in Irish setter dogs: characterisation of jejunal microvillar membrane proteins by two-dimensional electrophoresis, 191
- Haemonchosis following vaccination with the nematode gut membrane antigen H11, Duration of protective immunity against ovine, 223
- Halofuginone against *Eimeria tenella* infection in broiler chickens in Egypt, Anticoccidial efficacy of toltrazil and, 175
- Halothane in oxygen, Effects of alfentanil in the equine electroencephalogram during anaesthesia with, 159
- Haptoglobin by enzyme-linked immunosorbent assay in cows with fatty liver, Detection of serum, 137
- Heparin on a haemagglutinin of porcine reproductive and respiratory syndrome virus, Effect of, 261
- Hepatocytes: morphological and biochemical characterisation, Serum-free culture of adult chicken, 233
- Insulin in fasted donkeys, Plasma glucose and cortisol responses to exogenous, 265
- Interleukin-6 (IL-6) activities in the sera and milk of cows with naturally occurring coliform mastitis, Elevated levels of tumor necrosis factor α (TNF- α), 297
- Interstitial lung disease in feline immunodeficiency virus (FIV) infected cats, 287
- Irish setter dogs: characterisation of jejunal microvillar membrane proteins by two-dimensional electrophoresis, Gluten-sensitive enteropathy in, 191
- Isolation of *Coxiella burnetii* from bull semen, 299
- Keratin pattern in hyperkeratotic and ulcerated gastric pars oesophagea in pigs, 165
- Ketamine infusions in ponies undergoing surgery, A pharmacodynamic study of propofol or propofol and, 179
- Kinetic disposition, systemic bioavailability and tissue distribution of apramycin in broiler chickens, 249
- Lawsonia intracellularis* by piglets, Development of persistent intestinal infection and excretion of, 6
- Linear B-cell epitopes in the N-terminus of L2 of Bovine Papillomavirus type 4, 289
- Lolitre B on the electromyographic activity of skeletal and gastrointestinal smooth muscle of sheep, Effect of the mycotoxins penitrem, paxilline and, 111
- Lungworm species (Nematoda: Dictyocaulidae) from fallow deer, cattle, sheep and donkeys, 17
- Lysine-vasopressin on insulin and glucagon secretion in sheep, Effects of oxytocin, arginine-vasopressin and, 105
- Malassezia pachydermatis* isolates by partial sequencing of the large subunit ribosomal RNA, Epidemiological analysis of, 22
- Mammary adenocarcinoma of dogs, Changes in glucose transport activities in, 85
- Mastitis due to *Staphylococcus aureus* and *Escherichia coli*, Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to, 63
- Mastitis, Elevated levels of tumor necrosis factor α (TNF- α) interleukin-6 (IL-6) activities in the sera and milk of cows with naturally occurring coliform, 297
- Melatonin in vivo and by treatment of granulosa cells with melatonin in vitro, Stimulation of the production of progesterone by the corpus luteum of the ewe by the perfusion of, 87
- Meningoencephalitis due to bacterial kidney disease in farmed Atlantic and chinook salmon, Differences in patterns of, 79
- Method for the growth of equine airway epithelial cells in culture, 30
- Methods for the isolation, culture and characterisation of equine pulmonary artery endothelial cells, 147
- Morphological and biochemical investigations of mitral valve endocarditis in pigs, 121
- Morphometric analysis of growth retardation in fetal lambs following experimental infection of pregnant ewes with Border Disease virus, 245
- Netobimin metabolites in pregnant ewes, Comparative pharmacokinetics of, 117
- Neutering on bodyweight, metabolic rate and glucose tolerance of domestic cats, Effects of, 131
- Oocysts, A self-filling micropipette for the isolation of single coccidia, 301
- Ossification of the collateral cartilages of the distal phalanx of the Finnhorse and the relationship between ossification and type of horse, Effects of sex and age on the, 34
- Oxidative energy metabolism in equine tendon cells, 93
- Oxytocin, arginine-vasopressin and lysine-vasopressin on insulin and glucagon secretion in sheep, Effects of, 105
- Papillomavirus type 4, Linear B-cell epitopes in the N-terminus of L2 of Bovine, 289
- Pars oesophagea in pigs, Keratin pattern in hyperkeratotic and ulcerated gastric, 165
- Pathogenic role of pulmonary intravascular macrophages in acute African swine fever, The, 193
- Paxilline and lolitre B on the electromyographic activity of skeletal and gastrointestinal smooth muscle of sheep, Effect of the mycotoxins penitrem, 111
- Penitrem, paxilline and lolitre B on the electromyographic activity of skeletal and gastrointestinal smooth muscle of sheep, Effect of the mycotoxins, 111
- Phagocytosis of *Streptococcus uberis* by bovine mammary gland macrophages, 74
- Pharmacodynamic study of propofol or propofol and ketamine infusions in ponies undergoing surgery, A, 179
- Pharmacokinetics of tiludicoin in the serum and milk of goats, 48
- Physal form of the longbones of the foal, 217
- Plasma erythropoietin concentrations in dogs and cats: reference values and changes with anaemia and/or chronic renal failure, 185
- Plasma glucose and cortisol responses to exogenous insulin in fasted donkeys, 265
- Porcine reproductive and respiratory syndrome virus, Effect of heparin on a haemagglutinin of, 261
- Progesterone by the corpus luteum of the ewe by the perfusion of melatonin in vivo and by treatment of granulosa cells with melatonin in vitro, Stimulation of the production of, 87
- Propofol or propofol and ketamine infusions in ponies undergoing surgery, A pharmacodynamic study of, 179
- Prostaglandin E2 in intestinal loops of sheep, Responses of glucose absorption to, 153
- Proteoglycan metabolism of equine articular chondrocytes cultured in alginate beads, 39
- Pseudorabies vaccination in maternally immune piglets using recombinant vaccinia virus vaccines, Successful, 281
- Radionuclide imaging of abomasal emptying in sheep, 26
- Relationships between the bone pathologies, ash and mineral content of long bones in 35-day-old broiler chickens, 67
- Responses of glucose absorption and fructose absorption to prostaglandin E2 in intestinal loops of sheep, 153
- Retinal degenerate Labrador Retriever dog, Cloning of the cDNA encoding rod photoreceptor cGMP-phosphodiesterase α and γ subunits from the retinal degenerate, 293
- Salmon, Differences in patterns of meningoencephalitis due to bacterial kidney disease in farmed Atlantic and chinook, 79

- Selenium status of sheep, Effect of doses of protected polyunsaturated fatty acids on indicators of, 81
- Self-filling micropipette for the isolation of single coccidial oocysts, A, 301
- Serum-free culture of adult chicken hepatocytes: morphological and biochemical characterisation, 233
- Staphylococcus aureus* and *Escherichia coli*, Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to, 63
- Stimulation of the production of progesterone by the corpus luteum of the ewe by the perfusion of melatonin in vivo and by treatment of granulosa cells with melatonin in vitro, 87
- Streptococcus uberis* by bovine mammary gland macrophages, Phagocytosis of, 74
- Successful pseudorabies vaccination in maternally immune piglets using recombinant vaccinia virus vaccines, 281
- Taurine contents in individual fibres from the middle gluteal muscle of the camel, Carnosine, anserine and, 213
- Teratogenicity of Aino virus in the chick embryo, 195
- Tilmicosin in the serum and milk of goats, Pharmacokinetics of, 48
- Toltrazuil and halofuginone against *Eimeria tenella* infection in broiler chickens in Egypt, Anticoccidial efficacy of, 175
- Troponin T in broiler chicks bled one to 168 hours after hatching, Characterisation of embryonic cardiac-derived, 127
- Ultrastructural changes related to the lymph node haemorrhages in acute African swine fever, 199
- Uroliths and urinary sediment crystals associated with the feeding of high-level cottonseed meal diet to water buffalo calves, Chemical composition and microstructure of, 275
- Vasopressin on the kidneys of growing lambs, The effect of the long-term administration of, 189



